

	Type	Hits	Search Text
1	BRS	13855	(interface SAME (generat\$3 OR creat\$3 OR dynamic)) AND (attribute\$1 OR metadata) AND (audio OR video) AND (limit\$3 OR autoriz\$3 OR password) SAME user\$1
2	BRS	8257	(interface SAME (generat\$3 OR creat\$3 OR dynamic)) AND (attribute\$1 OR metadata) AND (audio OR video) AND (limit\$3 OR autoriz\$3 OR password) AND (xml,OR HTML)
3	BRS	6195	S10 and S11
4	BRS	1706	"707"/\$.ccls. and S11
5	BRS	1332	"715"/\$.ccls. and S11
6	BRS	1691	"709"/\$.ccls. and S11
7	BRS	103496	(Media OR video OR audio OR song\$1 OR photo OR image\$1) SAME (clip\$1 OR track\$1) SAME (creat\$3 OR generat\$3 OR develop\$4 OR build\$3 OR record\$3 OR compil\$3 OR integrat\$3 AND combin\$3 OR mixing OR mixed)
8	BRS	3253	S25 and (interface SAME (generat\$3 OR creat\$3 OR dynamic)) AND (attribute\$1 OR metadata) AND (audio OR video) AND (limit\$3 OR autoriz\$3 OR password) SAME user\$1
9	BRS	33	S26 and 715/513.ccls.

	<b>DBs</b>
<b>1</b>	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB
<b>2</b>	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB
<b>3</b>	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB
<b>4</b>	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB
<b>5</b>	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB
<b>6</b>	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB
<b>7</b>	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB
<b>8</b>	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB
<b>9</b>	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB

	Type	L #	Hits	Search Text	DBs
1	BRS	L1	55564	(creat\$3 OR generat\$3 OR develop\$4 OR build\$3 OR design\$3) SAME (webpage\$1 OR (web ADJ page\$1) OR website\$1 OR (web ADJ site\$1))	US- PGPUB; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TD B
2	BRS	L2	316537	(authenticat\$3 OR authorization OR authorizing OR authorized OR authorize OR unauthorization OR unauthorizing OR unauthorized OR unauthorized OR password)	US- PGPUB; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TD B
3	BRS	L3	26004	1 and 2	US- PGPUB; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TD B

	Type	L #	Hits	Search Text	DBs
4	BRS	L4	830	3 and 709/219.ccls.	US- PGPUB; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TD B
5	BRS	L5	1301	3 and 709/203.ccls.	US- PGPUB; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TD B
6	BRS	L6	1862	3 and 707/1,10,104.1.ccls.	US- PGPUB; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TD B

	Type	L #	Hits	Search Text	DBs
7	BRS	L7	76	3 and 707/201.ccls.	US- PGPUB; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TD B
8	BRS	L8	12	"20040103297" "20040096199" "20040088731" "20050022252" ("7162475" "7102643" "7069310" "7046914" "6976229" "6185587" "5956716").pn.	US- PGPUB; USPAT

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metadata attributes

Search

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[Preferences](#)**Web**Results 1 - 10 of about 2,540,000 for **metadata attributes**. (0.20 seconds)**Metadata attributes**

The **metadata attributes** express qualifications on the content. These qualifications can be used to modify the processing of the content.

[docs.oasis-open.org/dita/v1.0/archspec/metadataAttr.html](https://docs.oasis-open.org/dita/v1.0/archspec/metadataAttr.html) - 8k - [Cached](#) - [Similar pages](#)

**Spotlight Metadata Attributes Reference: Spotlight Metadata Attributes**

**Metadata attribute** keys that describe the file system **attributes** for a file. These **attributes** are available for files on any mounted volume. ...

[developer.apple.com/documentation/Carbon/](https://developer.apple.com/documentation/Carbon/)

[Reference/MetadataAttributesRef/Reference/CommonAttrs.html](#) - 168k -

[Cached](#) - [Similar pages](#)

**Spotlight Overview: Spotlight Metadata Attributes**

Once you determine the data that should be extracted and provided to users, you need to assign those values to **metadata attributes**. ...

[developer.apple.com/documentation/Carbon/](https://developer.apple.com/documentation/Carbon/)

[Conceptual/MetadataIntro/Concepts/SpotlightAttrs.html](#) - 14k - [Cached](#) - [Similar pages](#)

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**Metadata Attributes**

The easiest way to view a part or assembly's **metadata attribute** values is to select the item in the entity tree. The item's **metadata attributes** are listed ...

[cubit.sandia.gov/help-version10.1/geometry\\_creation/](https://cubit.sandia.gov/help-version10.1/geometry_creation/)

[geometry\\_metadata/metadata\\_attributes.htm](#) - 13k - [Cached](#) - [Similar pages](#)

**TopXML : Metadata Attributes (.NET Framework)**

A complete discussion of **Metadata Attributes** is beyond the scope here. Nevertheless we need to understand the concepts behind **metadata attributes** to ...

[www.topxml.com/xmlserializer/metadata\\_attributes.asp](http://www.topxml.com/xmlserializer/metadata_attributes.asp) - 28k - [Cached](#) - [Similar pages](#)

**Metadata Attributes for Custom Server Controls**

**Metadata attributes** are applied to server controls and to their members to provide information that is used by design tools, the ASP.

[msdn2.microsoft.com/en-us/library/ms178658.aspx](https://msdn2.microsoft.com/en-us/library/ms178658.aspx) - 35k - [Cached](#) - [Similar pages](#)

**- XHTML Metainformation Attributes Module**

If the element on which the other **metadata attributes** are attached is a child of a link then the **metadata** inferred by the element concerns the URI referred ...

[www.w3.org/TR/2004/WD-xhtml2-20040722/mod-metaAttributes.html](http://www.w3.org/TR/2004/WD-xhtml2-20040722/mod-metaAttributes.html) - 19k -

[Cached](#) - [Similar pages](#)

**Metadata attributes**

**Attributes** have properties associated with them, and these properties are defined in **metadata**.

[publib.boulder.ibm.com/infocenter/rfidhelp/](https://publib.boulder.ibm.com/infocenter/rfidhelp/)

[v1r0/topic/com.ibm.rfid.help.doc/r\\_metadata\\_attr.html](#) - 10k - [Cached](#) - [Similar pages](#)

**3.7 Metadata attributes**

**3.7 Metadata attributes.** BSCW objects have system-defined **attributes** such as creation date or owner name whose values are set by the system. ...

[bscw.fit.fraunhofer.de/bscw\\_help-4.3/english/sec-03070000.html](https://bscw.fit.fraunhofer.de/bscw_help-4.3/english/sec-03070000.html) - 8k -

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[PS] [PubTeX output 1994.02.08:1331](#)

File Format: Adobe PostScript - [View as Text](#)

Ideas for Information Types and **Metadata Attributes** — Jim Almond, CHPC ... **Metadata attributes** pertaining to the Abstract Data Type (ADT) of the entity. ...

[www.llnl.gov/liv\\_comp/metadata/papers/type-almond.ps](http://www.llnl.gov/liv_comp/metadata/papers/type-almond.ps) - [Similar pages](#)

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**Web**Results 1 - 10 of about 102,000,000 for **media content and play list**. (0.28 seconds)**Introduction to Windows Media Metafiles**

You can also set properties for an entire **playlist** that contains multiple Windows **Media** streams. When you **play** the **content**, some properties are displayed on ...

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**Internet Explorer 6: Customize the Media Bar**

The new **Media Bar** makes it easy to find and **play media** files in the Internet ... ask for preferred types to **play your media content**, or to clear the **list** of ...

[www.microsoft.com/windows/ie/ie6/using/howto/customizing/mediabar.mspx](http://www.microsoft.com/windows/ie/ie6/using/howto/customizing/mediabar.mspx) - 18k -

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**Microsoft Windows Media - Advertising Solutions: Server-side ...**

A **playlist** represents an ordered **list** of the **media** items that the server can stream to a client. A **playlist** can include a mixture of program **content** and ads ...

<https://www.microsoft.com/windows/windowsmedia/howto/articles/adinsertion.aspx> - 38k -

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**IMEEM - what's on your playlist?**

IMEEM - whats on your **playlist**? ... \*Upload your Remix Hotel Miami **media content** now!!!

\* Three Days of Technology Showcases ...

[www.imeem.com/](http://www.imeem.com/) - 39k - Mar 31, 2007 - [Cached](#) - [Similar pages](#)

**How to delete the recent play list from Windows Media Player**

This article describes how to remove the recent entries from the Windows **Media Player** **play list**. Use either of the following methods to remove the most ...

[support.microsoft.com/KB/243621](http://support.microsoft.com/KB/243621) - [Similar pages](#)

**Describing Media Content of Binary Data in XML**

A **list** of current W3C publications and the latest revision of this technical report can ...

Example 4: Element with binary **content**, known **media** type and no ...

[www.w3.org/TR/xml-media-types/](http://www.w3.org/TR/xml-media-types/) - 34k - [Cached](#) - [Similar pages](#)

**Shop online in Windows Media Player**

For example, you can drag files from the store to create a **playlist** or a **list** ... In Windows **Media Player**, a Web site that offers digital **media content** by ...

[windowshelp.microsoft.com/Windows/en-US/Help/312e2f91-810a-46cf-a211-](http://windowshelp.microsoft.com/Windows/en-US/Help/312e2f91-810a-46cf-a211-3f9def86153a1033.mspx)

[3f9def86153a1033.mspx](http://windowshelp.microsoft.com/Windows/en-US/Help/312e2f91-810a-46cf-a211-3f9def86153a1033.mspx) - 16k - [Cached](#) - [Similar pages](#)

**Using the Media Bar in Internet Explorer**

Developers are likely to implement the **Media Bar** to **play** music accompanied by **playlist** information or marketing **content**, to **play** educational or training ...

[msdn.microsoft.com/workshop/author/behaviors/reference/mediabar\\_oww.asp?frame=true](http://msdn.microsoft.com/workshop/author/behaviors/reference/mediabar_oww.asp?frame=true) -

48k - [Cached](#) - [Similar pages](#)

**all2all | informations | FAQ | Streaming Media Content | How to ...**

Different types of **media** require different setups on the server. Many **media** types (Real Audio/Video, ... **Content** of metafile: **[Playlist]**, **NumberOfEntries=1** ...

[www.all2all.org/informations/faq/streaming/](http://www.all2all.org/informations/faq/streaming/) - 12k - [Cached](#) - [Similar pages](#)

**Content analysis - Wikipedia, the free encyclopedia**

In these circumstances, **content** analysis is an element of **media** evaluation or ...

<http://www.google.com/search?hl=en&q=media+content+and+play+list>

4/2/07




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 Terms used **metadata attributes** and **playlist**

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### 1 [Oral session 2: web searching and applications: Inferring similarity between music objects with application to playlist generation](#)

R. Ragno, C. J. C. Burges, C. Herley

 November 2005 **Proceedings of the 7th ACM SIGMM international workshop on Multimedia information retrieval MIR '05**

Publisher: ACM Press

Full text available: pdf(165.81 KB)

 Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

The growing libraries of multimedia objects have increased the need for applications that facilitate search, browsing, discovery, recommendation and playlist construction. Many of these applications in turn require some notion of distance between, or similarity of, such objects. The lack of a reliable proxy for similarity of entities is a serious obstacle in many multimedia applications. In this paper we describe a simple way to automatically infer similarities between objects based on their occurrence ...

**Keywords:** playlists, similarity metrics

### 2 [Dealing with constraints: Sprint: Agile specifications in Shockwave and Flash](#)

Jack Hakim, Tom Spitzer, John Armitage

 June 2003 **Proceedings of the 2003 conference on Designing for user experiences DUX '03**

Publisher: ACM Press

Full text available: pdf(296.44 KB)

 Additional Information: [full citation](#), [abstract](#), [references](#)

Digital product development teams have trouble coordinating specification assets, both in the effort to represent a stable design in multiple specification forms, and particularly when a changing context causes requirement changes. The Agile process movement avoids cumbersome specifications by prescribing faster release cycles, more parallel development, and greater requirement flexibility. Sprint is both a method and a tool designed to allow an Agile approach to product development while support ...


**Keywords:** agile processes, concept design, design planning, experience design, information architecture, interaction design multidisciplinary design/interdisciplinary design, organizational culture, participatory design, process improvement, product design, service design, specification, system design, user experience, user interface design, user-centered design

### 3 [Improving the usability of the hierarchical file system](#)

Gary Marsden, David E. Cairns

September 2003 **Proceedings of the 2003 annual research conference of the South African institute of computer scientists and information technologists on Enablement through technology SAICSIT '03**

**Publisher:** South African Institute for Computer Scientists and Information Technologists

Full text available:  pdf(391.01 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Whether you are interested in improving the usability of Linux, Macintosh or Windows, there is one restriction you cannot escape -- the hierarchical file storage system. The notion of files and folders has been with us for so long that it almost seems axiomatic. In this paper we look at the effects on users of forcing a hierarchical classification of files. We also consider how some of the resultant problems can be tackled with a new piece of file browsing software based on the ideas of relation ...

**Keywords:** databases, design, file storage, human factors, human-computer interaction, information retrieval, searching

4 1<sup>st</sup> international workshop on advanced data processing in ubiquitous computing

 (ADPUC 2006): Alchemist: user driven searching in ubiquitous networks

Matthew Shields, Ian Taylor


November 2006 **Proceedings of the 1st international workshop on Advanced data processing in ubiquitous computing (ADPUC 2006) ADPUC '06**

**Publisher:** ACM Press

Full text available:  pdf(237.79 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

This paper describes a generic peer-to-peer architecture, called Alchemist, which provides a peer-to-peer overlay coupled with a data fusion workflow environment for the searching or discovery of distributed resources. The Alchemist is designed to be generic and can host a number of different peer-to-peer applications or other frameworks. We provide an example of how it can be applied to audio and visual searching by using the underlying toolkit to provide workflows for the manipulation of diffe ...

5 Poster session 1: multimedia retrieval: Combining audio-based similarity with web-based data to accelerate automatic music playlist generation

 Peter Knees, Tim Pohle, Markus Schedl, Gerhard Widmer

October 2006 **Proceedings of the 8th ACM international workshop on Multimedia information retrieval MIR '06**


**Publisher:** ACM Press

Full text available:  pdf(240.36 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

We present a technique for combining audio signal-based music similarity with web-based musical artist similarity to accelerate the task of automatic playlist generation. We demonstrate the applicability of our proposed method by extending a recently published interface for music players that benefits from intelligent structuring of audio collections. While the original approach involves the calculation of similarities between every pair of songs in a collection, we incorporate web-based data to ...

**Keywords:** automatic playlist generation, music information retrieval, music similarity, traveling salesman problem, web-based artist similarity

6 Regular contributions: Lifetrak: music in tune with your life

 Sasank Reddy, Jeff Mascia

October 2006 **Proceedings of the 1st ACM international workshop on Human-centered multimedia HCM '06**

**Publisher:** ACM Press

Full text available:  pdf(669.39 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Advances in sensing technology and wider availability of network services is beckoning the use of context-awareness in ubiquitous computing applications. One region in which these

technologies can play a major role is in the area of entertainment. Particularly, context-awareness can be used to provide higher quality interaction between humans and the media they are interacting with. We propose a music player, Lifetrak, that is in tune with a person's life by using a context-sensitive music engine ...

**Keywords:** context, entertainment, mobile, music, sensors

## 7 A Semantic Web ontology for context-based classification and retrieval of music resources

Alfio Ferrara, Luca A. Ludovico, Stefano Montanelli, Silvana Castano, Goffredo Haus  
August 2006 **ACM Transactions on Multimedia Computing, Communications, and Applications (TOMCCAP)**, Volume 2 Issue 3

**Publisher:** ACM Press

Full text available:  [pdf\(587.89 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

In this article, we describe the MX-Onto ontology for providing a Semantic Web compatible representation of music resources based on their context. The context representation is realized by means of an OWL ontology that describes music information and that defines rules and classes for a flexible genre classification. By flexible classification we mean that the proposed approach enables capturing the subjective interpretation of music genres by defining multiple membership relations between a mu ...

**Keywords:** Music classification, music retrieval, ontology-based music representation

## 8 Structuring internet media streams with cueing protocols

Jack Brassil, Henning Schulzrinne  
August 2002 **IEEE/ACM Transactions on Networking (TON)**, Volume 10 Issue 4

**Publisher:** IEEE Press

Full text available:  [pdf\(282.39 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

We propose a new, media-independent protocol for including program timing, structure, and identity information in Internet media streams. The protocol uses signaling messages called *cues* to indicate events whose timing is significant to receivers, such as the start or stop time of a media program. We describe the implementation and operation of a prototype Internet radio station which transmits program cues in audio broadcasts using the Real-Time Transport Protocol (RTP). A collection of ...

**Keywords:** content delivery networks, multimedia signaling, real-time transport protocol (RTP)

## 9 Visualization for libraries: combinFormation: a mixed-initiative system for representing collections as compositions of image and text surrogates

Andruid Kerne, Eunye Koh, Blake Dworaczky, J. Michael Mistrot, Hyun Choi, Steven M. Smith, Ross Graeber, Daniel Caruso, Andrew Webb, Rodney Hill, Joel Albea  
June 2006 **Proceedings of the 6th ACM/IEEE-CS joint conference on Digital libraries JCDL '06**

**Publisher:** ACM Press

Full text available:  [pdf\(482.39 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

People need to find, work with, and put together information. Diverse activities, such as scholarly research, comparison shopping, and entertainment involve collecting and connecting information resources. We need to represent collections in ways that promote understanding of individual information resources and also their relationships. Representing individual resources with images as well as text makes good use of human cognitive facilities. Composition, an alternative to lists, means putting ...

**Keywords:** collections, information discovery, mixed-initiative systems

10 Social networks, networking & virtual communities: HT06, tagging paper, taxonomy.



Flickr, academic article, to read

Cameron Marlow, Mor Naaman, Danah Boyd, Marc Davis

August 2006 **Proceedings of the seventeenth conference on Hypertext and hypermedia HYPERTEXT '06**

**Publisher:** ACM Press

Full text available: pdf(339.73 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

In recent years, *tagging systems* have become increasingly popular. These systems enable users to add keywords (i.e., "tags") to Internet resources (e.g., web pages, images, videos) without relying on a controlled vocabulary. Tagging systems have the potential to improve search, spam detection, reputation systems, and personal organization while introducing new modalities of social communication and opportunities for data mining. This potential is largely due to the social structure that u ...

**Keywords:** Flickr, categorization, classification, folksonomy, incentives, models, research, social networks, social software, tagging systems, tagsonomy, taxonomy

11 Using an iPod in Linux



Bert Hayes

July 2005 **Linux Journal**, Volume 2005 Issue 135

**Publisher:** Specialized Systems Consultants, Inc.

Full text available: html(22.57 KB) Additional Information: [full citation](#), [abstract](#), [index terms](#)

Get your music collection moved over to Linux without losing your portable player.

12 A streamlined system for building online presentation archives using SMIL



Darren James, Jane Hunter

December 2000 **Proceedings of the Australasian conference on Computing education ACSE '00**

**Publisher:** ACM Press

Full text available: pdf(725.76 KB) Additional Information: [full citation](#), [abstract](#), [references](#)

The demand for and expectation of ubiquitous access to multimedia online learning resources are much higher amongst computer science students than in other fields of study. Previous systems providing internet access to digital video or audio recordings of lectures have been disappointing or ineffective as a learning experience or excessively complex and time-consuming from the educator's point of view. This paper describes a new approach to building an online presentation archive of lectures, ...

**Keywords:** SMIL, flexible delivery, metadata, online presentations, video

13 The information furnace: consolidated home control



Diomidis D. Spinellis

May 2003 **Personal and Ubiquitous Computing**, Volume 7 Issue 1

**Publisher:** Springer-Verlag

Full text available: pdf(488.36 KB) Additional Information: [full citation](#), [abstract](#), [citings](#), [index terms](#)

The Information Furnace is a basement-installed PC-type device that integrates existing consumer home-control, infotainment, security and communication technologies to transparently provide accessible and value-added services. A modern home contains a large number of sophisticated devices and technologies. Access to these devices is currently provided through a wide variety of disparate interfaces. As a result, end users

face a bewildering array of confusing user-interfaces, access modes a ...

**Keywords:** Automation, Consumer electronics, Home-control, Multi-modal interfaces

14 Automatic metadata creation: Bibliographic attribute extraction from erroneous references based on a statistical model

Atsuhiro Takasu

May 2003 **Proceedings of the 3rd ACM/IEEE-CS joint conference on Digital libraries JCDL '03**

**Publisher:** IEEE Computer Society

Full text available:  pdf(345.42 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

In this paper, we propose a method for extracting bibliographic attributes from reference strings captured using Optical Character Recognition (OCR) and an extended hidden Markov model. Bibliographic attribute extraction can be used in two ways. One is reference parsing in which attribute values are extracted from OCR-processed references for bibliographic matching. The other is reference alignment in which attribute values are aligned to the bibliographic record to enrich the vocabulary of the ...

15 Audio analysis and processing: Lightweight measures for timbral similarity of musical audio

Mark Levy, Mark Sandler

October 2006 **Proceedings of the 1st ACM workshop on Audio and music computing multimedia AMCM '06**

**Publisher:** ACM Press

Full text available:  pdf(242.36 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Timbral similarity measures based on Mel-Frequency Cepstral Coefficients have been widely reported as the basis for a possible general music similarity function, which would have wide application to searching, browsing and recommendation. Many of the reported methods, however, have computational requirements that make them impractical for searching realistic collections using current hardware. We compare lightweight measures that appear to perform equally well, and introduce a simplification that ...

**Keywords:** MFCC, music information retrieval, timbral similarity

16 DRM experience: Digital rights management in a 3G mobile phone and beyond

Thomas S. Messerges, Ezzat A. Dabbish

October 2003 **Proceedings of the 3rd ACM workshop on Digital rights management DRM '03**

**Publisher:** ACM Press

Full text available:  pdf(306.59 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

In this paper we examine how copyright protection of digital items can be securely managed in a 3G mobile phone and other devices. First, the basic concepts, strategies, and requirements for digital rights management are reviewed. Next, a framework for protecting digital content in the embedded environment of a mobile phone is proposed and the elements in this system are defined. The means to enforce security in this system are described and a novel "Family Domain" approach to content management ...

**Keywords:** MPEG-21, copyright protection, cryptography, digital content, digital rights management, embedded system, key management, mobile phone, open mobile alliance, security

17 Metadata for digital libraries: architecture and design rationale



Michelle Baldonado, Chen-Chuan K. Chang, Luis Gravano, Andreas Paepcke  
July 1997 **Proceedings of the second ACM international conference on Digital libraries DL '97**

**Publisher:** ACM Press

Full text available: pdf(1.65 MB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

**Keywords:** CORBA, InfoBus, attribute model translation, attribute model translation, digital libraries, heterogeneity, interoperability, metadata architecture, metadata repository, proxy architecture

18 A Metadata Catalog Service for Data Intensive Applications

Gurmeet Singh, Shishir Bharathi, Ann Chervenak, Ewa Deelman, Carl Kesselman, Mary Manohar, Sonal Patil, Laura Pearlman

November 2003 **Proceedings of the 2003 ACM/IEEE conference on Supercomputing SC '03**

**Publisher:** IEEE Computer Society

Full text available: pdf(178.25 KB) Additional Information: [full citation](#), [abstract](#), [citations](#)

Advances in computational, storage and network technologies as well as middle ware such as the Globus Toolkit allow scientists to expand the sophistication and scope of data-intensive applications. These applications produce and analyze terabytes and petabytes of data that are distributed in millions of files or objects. To manage these large data sets efficiently, metadata or descriptive information about the data needs to be managed. There are various types of metadata, and it is likely that a ...

19 Semantic heterogeneity resolution in federated databases by metadata implantation and stepwise evolution

Goksel Aslan, Dennis McLeod

October 1999 **The VLDB Journal – The International Journal on Very Large Data Bases**, Volume 8 Issue 2

**Publisher:** Springer-Verlag New York, Inc.

Full text available: pdf(1.05 MB) Additional Information: [full citation](#), [abstract](#), [citations](#), [index terms](#)

A key aspect of interoperation among data-intensive systems involves the mediation of metadata and ontologies across database boundaries. One way to achieve such mediation between a local database and a remote database is to fold remote metadata into the local metadata, thereby creating a common platform through which information sharing and exchange becomes possible. Schema implantation and semantic evolution, our approach to the metadata folding problem, is a partial database integration schem ...

**Keywords:** Database integration, Database interoperability, Federated databases, Schema evolution, Semantic heterogeneity resolution

20 Visualisation in GIR: Visualization and semantic analysis of geographic metadata



Riccardo Albertoni, Alessio Bertone, Monica De Martino

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The paper presents an approach based on visualization and ontology techniques to analyze large repository of geographic metadata: the aim of the metadata analysis is to support the search for expressive geographic resources. The approach is characterized by a visual reasoning to facilitate the navigation in an unfamiliar space of geographic metadata and a semantic reasoning to support the seeker in the definition of the search criteria. In particular, the analysis of categorical attributes of me ...

**Keywords:** information visualization, metadata analysis, ontology, search

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